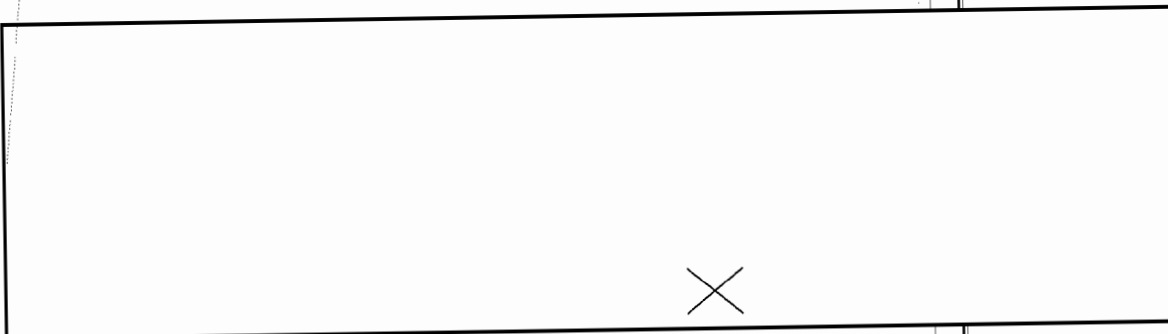


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Zelman Mordecai Shapiro was born in 1907 and is married. He completed his formal education in 1940 and holds a B.S., M.S., and Ph.D. degree from Johns Hopkins University. He was a Research Associate at Johns Hopkins, 1942-1946. In 1946, he was employed by Westinghouse Electric Corporation and continued with that organization until 1966. During his employment with Westinghouse, he was Supervisor of Zirconium Process Development, Manager, Physical Chemistry and Chemical Control; Manager, Chemical Metallurgy and Uranium Oxide Development; and Manager, Reactor Design, T.M.C. Core 2. Shapiro holds four patents on pure metal production and has seventeen patent disclosures pending. He is a member of the American Chemical Society and is Chief Executive Officer. He is also a member of A.I.M.S., A.S.M., A.S.M.E., and A.I.M.E. Life insurance in the amount of \$250,000 is carried on his life for the benefit of his business. He is Chairman of the Board of NUCLEAR Instrument and Controls Corporation, affiliate, Apollo, Pennsylvania; and President of Nuclear Decontamination Corporation.

The FBI investigation contains a summary of the information furnished. The information with respect to the losses of nuclear materials at Nuclear Materials and Equipment Corporation (NUMEL), Apollo, in 1966.

This document contains information affecting the national defense within the meaning of the Espionage Laws, Title 18, U.S.C., Sec. 793 and 794, and the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

Excluded from automatic
downgrading and
declassification

~~SECRET~~

REF ID: A66666

- 10 -

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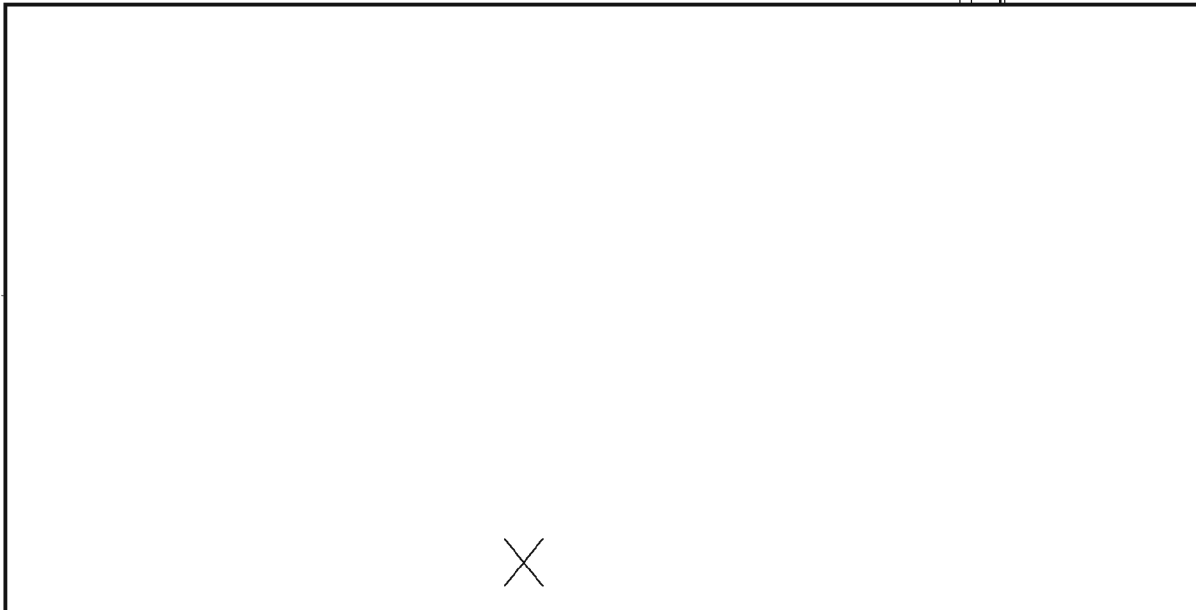
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The [redacted] is at the moment considering, in coordination with the
[redacted] of Justice and the FBI, what further action should be taken
in this matter. One of the possibilities which is under consideration
is an interview of Shapiro by [redacted] officials for the purpose of
verifying information developed during the investigation.

~~(S)~~

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UNITED STATES GOVERNMENT

Memorandum

DEPARTMENT OF JUSTICE

~~SECRET~~

TO : Director, FBI

DATE: May 21, 1969

FROM : J. Walter Yeagley
Assistant Attorney General
Internal Security Division

Classified By *SL 155/129*
Declassify on: OADR
FBI 2-10

SUBJECT: Dr. Zalman Mordecai Shapiro - NUMEC

(U) Atomic Energy Matter
Internal Security - Israel

~~(S)~~(S)

Reference is made to my memorandum of May 14, 1969, advising you of my conference with Congressman Holifield, Chairman of the Joint Committee on Atomic Energy, concerning the Committee's request to examine the AEC file on the captioned matter including FBI reports.

I am enclosing herewith a summary memorandum marked "Secret" captioned "Summary of Investigation" and consisting of seven pages prepared by the Atomic Energy Commission and forwarded to me by Mr. William T. Riley, Director, Division of Security. It is proposed that the Joint Committee be given a summary of the investigation such as the enclosure rather than having access to original FBI memoranda or materials.

This is submitted to you for your observations and comments. I would particularly call your attention to the last paragraph.

Attachment

10/22/03 #03R0758
FBI INFO. *10/22/03 #03R0758*
CLASSIFIED BY *10/22/03 #03R0758*
DECLASSIFY ON: *10/22/03 #03R0758*

REC-100

117-2464-283

25 MAY 21 1969

~~CONFIDENTIAL~~

~~SECRET~~

Mr. Tolson	_____
Mr. DeLoach	_____
Mr. Mohr	_____
Mr. Bishop	_____
Mr. Casper	_____
Mr. Callahan	_____
Mr. Conrad	_____
Mr. Felt	_____
Mr. Gale	_____
Mr. Rosen	_____
Mr. Sullivan	_____
Mr. Tavel	_____
Mr. Trotter	_____
Tele. Room	_____
Miss Holmes	_____
Miss Gandy	_____

205 info by [unclear] per [unclear] 5-23-69

11/13/15D

5/24/69

2 ENCLOSURE

5- [unclear]

Date of Mail 8-28-69

Has been removed and placed in the Special File Room of Records Branch.

#03 R0758
DATE AND TIME BY
ON 10/24/03
AUC 60390 BY ELMUTH/116

See File 66-2554-7530 for authority.

Subject JUNE MAIL Zelman, Mendel Shapiro
Classified by 5-8-85
Declassify on: OADR
Removed By 98 SEP 15 1969

File Number 117-2564-312

SP-163K/RB6
245
6-28-87

6/1/82
Permanent Serial Charge Out

SECRET

EXEMPTED FROM AUTOMATIC
DECLASSIFICATION
AUTHORITY DERIVED FROM:
FBI AUTOMATIC DECLASSIFICATION GUIDE
EXEMPTION CODE 25X(1,6)
DATE 10-06-2008

~~CONFIDENTIAL~~

(NI) 117-2364

Date: September 3, 1969

BY LIAISON

To: Mr. William T. Riley 56
Director
Division of Security
Atomic Energy Commission
Washington, D. C.

From: John Edgar Hoover, Director

Subject: DR. ZALMAN MORDECAI SHAPIRO
[REDACTED] [REDACTED]
[INTERNAL SECURITY - ISRAEL]
ATOMIC ENERGY ACT

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
EXCEPT WHERE SHOWN
OTHERWISE

Reference is made to your letter of August 28, 1969, transmitting a summary of [an interview with Shapiro] held on ~~for~~ (u) August 14, 1969, and advising that the Atomic Energy Commission (AEC) does not contemplate further action in this matter at this time.

REC- 65

We have conducted a thorough and extended investigation of Shapiro for more than a year, including substantial physical surveillance coverage. [We have developed information clearly pointing to Shapiro's pronounced pro-Israeli sympathies and close contacts with Israeli officials.]

It is believed most unlikely that further investigation will develop any stronger facts in connection with the subject's association with Israeli officials. The basis of the security risk posed by the subject lies in his continuing access to sensitive information and material, and it is believed the only effective way to counter this risk would be to preclude Shapiro from such access, specifically by terminating his classified contracts and lifting his security clearances.

b.

SEP 4 1969

RDC:mea (8)

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Group 1

see note, page 2

Excluded from automatic
downgrading and
declassification

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DR-1 GSK/PSA

9/10/16 61772

217,822

100 to 125

By 10/12/21
PMLAC

1007
By
10/24/03 #3077
DELETED BY 40602908C/MLT/376
10/24/03 #3077

Tolson _____
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Callahan _____
Conrad _____
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Rosen _____
Sullivan _____
Tavel _____
Trotter _____
Tele. Room _____
Holmes _____
Gandy _____

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Mr. William T. Riley

~~CONFIDENTIAL~~

Under these circumstances, we are discontinuing our active investigation of the subject. We will, of course, continue to keep interested agencies advised of any pertinent information concerning the subject which may be received from our sources.

NOTE:

See memo to Sullivan dated 9/2/69, same subject, prepared by RDC:mea.

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Classified "Secret" since disclosure would result in serious damage to national defense interests. (S) (u)

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- 2 -

~~CONFIDENTIAL~~

~~SECRET~~

Date of Mail

8-28-64

Has been removed and placed in the Special File Room of Records Branch.

~~(S)~~ (U)

See File 66-2554-7530 for authority.

#03R0758
DECLASSIFIED BY AUC 60290 BCE/14/16
ON 10-24-03

Subject

JUNE MAIL

Zalman Mordecai Shapiro

Classified by
Declassify on:

~~5-0-83~~
~~5-16-83~~
OADR

Removed By

98-191969

File Number

117-2564-347

217,822

~~SP-1 GSK/RB6~~
~~8-28-89~~ 243

6/1/82

Permanent Serial Charge Out

UNITED STATES GOVERNMENT

Memorandum

~~SECRET~~

DEPARTMENT OF JUSTICE

TO : Director
Federal Bureau of Investigation

DATE: OCT-29 1970

FROM : John F. Doherty
Acting Assistant Attorney General
Internal Security Division

SUBJECT: ZALMAN MORDECAI SHAPIRO

Classified by SP-5 JPL/SL
Declassify on: OADR

Attached is a copy of a proposed Security Statement submitted by the Atomic Energy Commission with respect to subject.

Subject is now employed by Kawecki Berylco Industries, Inc., which has available all current and advanced weapons concepts and techniques related to beryllium weapons components.

The proposed Security Statement charges that subject has "knowingly established an association with individuals reliably reported as suspected of espionage" and that subject has "engaged in conduct which tends to show that subject may be subject to influence or pressure which may cause him to act contrary to the best interests of national security."

The information submitted in support of the proposed charges is set forth in the lettered paragraphs of the proposed Security Statement.

The Bureau is requested to advise whether any individuals are currently available to testify at an AEC Personnel Security Board hearing to any of the information set forth in the lettered paragraphs of the proposed Security Statement; or alternatively whether such information can be introduced in a summarized form without substantial harm to the national interest at an AEC Personnel Security Board hearing under an appropriate certification under Section 4 of Executive Order 10865.

Attachment

ENCLOSURE

REC-10

18 NOV 9 1970

~~SECRET~~

NO Classified info Per
DOW letter 5-23-85

TICKET

Mr. Tolson	_____
Mr. C. E. Sullivan	_____
Mr. E. A. Tamm	_____
Mr. Nichols	_____
Mr. Drennon	_____
Mr. Cavanaugh	_____
Mr. Casper	_____
Mr. Conrad	_____
Mr. Tamm	_____
Mr. Gale	_____
Mr. Rosen	_____
Mr. Tavel	_____
Mr. Walters	_____
Mr. Evans	_____
Tele. Room	_____
Miss Holmes	_____
Miss Gandy	_____

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DECLASSIFIED
ON 11-13-03

~~11-13053~~ 60280 AU / Bec / mcr / 375

~~EXP. PROC.~~ 52

OCT 29 1970

EXEMPTED FROM AUTOMATIC
DECLASSIFICATION
AUTHORITY DERIVED FROM:
FBI AUTOMATIC DECLASSIFICATION GUIDE
EXEMPTION CODE: 25X(1)
DATE 03-13-2009
FBI INFORMATION ONLY

~~SECRET~~

ZALMAN MORDECAI SHAPIRO

AEC-FCN-2923-NY-SC-OR-
HA-NY-HA-AB

ALBUQUERQUE

11-13-03
FBI INFO.
CLASSIFIED BY 60276 PUC/BCE/mlt/jtg
DECLASSIFY ON: 20X1

[SECURITY STATEMENT]

(S) (U)

Classified by 56685 DPK
Declassify on: OADR
FBI 2406-11-85

I. Reliable information indicates that you have knowingly established an association with individuals reliability reported as suspected of espionage, within the meaning of Paragraph (b) (2), Section 10.11, 10 CFR-Part 10,

(U) Criteria and Procedures for Determining Eligibility for Access to Restricted Data or Defense Information. The information which provides the basis for such belief is that: (S)

(a) It was reported that on November 3, 1968, you attended and served as chairman of a meeting held at your home at 5452 Bartlett Street, Pittsburgh, Pennsylvania, in connection with the collection of scientific and chemical data for Israel; and that the meeting was attended by several individuals, including Dr. Avraham Harmoni, Scientific Counselor of the Israeli Embassy, Washington, D.C.

(U) It was reported that among other topics discussed at the meeting, it was brought out that Israel needed information regarding image intensifier tubes; information concerning the over-all field of reliability and failure rates of certain manufactured products including any studies completed in this field; information concerning the training of personnel in the operation of pressurized water reactors, including the placement of such personnel in a training program in the Westinghouse Electric Corporation at Pittsburgh, Pennsylvania. It was further reported (S)

DOE Information, Unclassified
Per DOE Communication to DOS
- 1 DOS letter to FBI 6-5-85

ENCLOSURE

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that each person at the meeting was given a specific assignment to obtain information needed by Israel and was to furnish the information to Dr. Hermoni either orally or in writing. It was also reported that you expressed the hope that the persons at the meeting who were given assignments by Dr. Hermoni would be productive as Dr. Hermoni was probing in many fields and Israel needed the information on an urgent basis. On August 14, 1969, you advised AEC representatives that the meeting referred to above was held in your home, that Dr. Hermoni was in attendance, but could not recall the names of all the individuals who attended. You further advised that the general tone of the meeting concerned ways and means the group could be of assistance to Israel in solving some of its technical problems. It was reported in 1961 that Dr. Abraham Hermoni was a member of the Israeli Intelligence Service; that in 1968 Dr. Hermoni was known to be engaged in the establishment of a technical intelligence network in the United States; and that prior to his assignment as Scientific Counselor of the Israeli Embassy, Washington, D. C., he was intimately connected with Israeli efforts to develop nuclear weapons in his capacity as Technical Director, Armament Development Authority, Ministry of Defense. (S)

(U)

(U)

[(FBI Report, Pittsburgh, Pa., 2/18/69, pp. 30, 31.
Statement of Confidential Informant PG T-3.)
(FBI Memo, Washington, D.C., 12/23/68, p. 1.
Statement of Confidential Informant WF T-1.)] (S)

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- (b) It was reported that you associated with and are considered to be a long-time personal friend of David Luzer Lowenthal of Pittsburgh, Pennsylvania, President of the Raychord Corporation, Apollo, Pennsylvania, and an officer of Apollo Industries, which latter company was instrumental in establishing NUMEC through the investment of a substantial amount of money when NUMEC was formed.

(S)

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- (c) During an interview with FBI agents in 1966 you advised that you have had a business association in connection with Isorad (joint company by NUMEC and Israeli Government) during 1965-67 with

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 who was Scientific Attache at the Israeli Embassy, Washington, D. C. from October 1963 to May 1967.

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(d) During 1968 and 1969 you were reportedly in contact with Colonel Avraham Zylonic concerning materials of interest to Israel among them Plutonium 238.

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II. Reliable information indicates that you have engaged in conduct which tends to show that you may be subject to influence or pressure which may cause you to act contrary to the best interests of the national security, within the meaning of Paragraph (b) (15), Section 10.11, 10 CFR-Part 10, Criteria and Procedures for Determining Eligibility for Access to Restricted Data or Defense Information. The information which provides the basis for such belief is that: ~~(S)~~

(U)

(a) It was reported that on October 16, 1968 you expressed a belief that if fighting became necessary, you would prefer to fight in Israel where a just cause existed. It was further reported that you also stated that you had given some consideration to resettling in Israel on a permanent basis. ~~(S)~~

(U) [(FBI Rpt, Pittsburgh, Pa., 2/18/69, p. 46, PG T-3.)] ~~(S)~~

(b) It was reported that on December 15, 1968 you advised an individual that you were seriously considering the possibility of settling in Israel within the next five years. ~~(S)~~

(U) [(FBI Rpt, Pittsburgh, Pa., 2/18/69, p. 47, PG T-3.)] ~~(S)~~

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(U) (c) It was reported that you have financial ties with the State of Israel and that you feel a natural kinship toward the State of Israel. (S)

(U) [(FBI Rpt, New York City, 12/23/68, p. 2, [redacted]] (S)

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(U) (d) It was reported that you are an active supporter of Israel; have traveled there frequently; and have directed that all profits from NUMEC vending machines be used for CARE packages for Israel. (S)

(U) [(FBI Rpt, Pittsburgh, Pa., 2/13/69, p. 27, PG T-2.)] (S)

(U) (e) It was reported that a meeting was held in your home on November 3, 1968 and the purpose of that meeting was to assist Avraham Hermoni, Scientific Counselor, Israeli Embassy, in gathering necessary data in scientific fields. (S)

(U) [(FBI Rpt, Pittsburgh, Pa., 2/10/69, p. 30, PG T-3.)] (S)

(U) (f) It was reported that subsequent to the November 3, 1968 meeting you stated that the meeting was productive and that Avraham Hermoni was also provided answers to most of his questions or was put in contact with people who could get the answers for him. (S)

(U) [(FBI Rpt, Pittsburgh, Pa., 2/13/69, p. 2,)] (S)

(U) (g) It was reported that in discussing the November 3, 1968 meeting you pointed out that assignments given out by Avraham Hermoni to individuals who attended the meeting were important to Hermoni and (S)

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(U) that Hermoni was probing in many fields and needs the requested information on an expedite basis, as Israel's needs are many and urgent. (S) (U)

(U) (h) It was reported that you expressed the hope that people who were given assignments at the November 3, 1968 meeting by Hermoni would be patient and productive. (S)

(U) [FBI Rpt, Pittsburgh, Pa, p. 9, dtd 11/20/68.] (S) (S)

(U) (i) It was reported that on November 8, 1968 you related to an individual that Israel is in need of all available information concerning the poisoning of municipal water supplies. The individual to whom you related this information reportedly has done research work in this field. (S)

(U) [FBI Rpt, Pittsburgh, Pa. 11/29/68, p. 4.] (S) (S)

(U) (j) It was reported that in connection with your expressed interest in migrating to Israel, your son indicated he felt you would be of more value to Israel by remaining in the United States and helping Israel's problems from here (U.S.A.) (S)

(U) (FBI Rpt, Pittsburgh, Pa. 11/29/68, p. 5.) (S)

(U) (k) It was reported that you planned to head up a new corporation to operate a chemical plant for the production of high grade boric acid, lithium oxide, hydrobromic acid and uranium and to operate this plant between Dimona and Arad near the Dead Sea. (S)

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(1) It was reported that you have a very strong alliance to Israel and have contributed heavily to Israeli organizations and fund drives.

(U)

It was further reported that during the 1967 Israeli-Arab six-day war you organized an Israeli fund drive in connection with a social affair in Pittsburgh and raised over one million dollars for Israel. (S)

(U)

[(FBI Rpt, Pittsburgh, Pa., 8/21/68, p. 2.)] (S)

(a) It was reported that you have a very strong allegiance to the Government of Israel and would do anything in your power to aid that country. It was also reported that you have been very active in fund-raising drives and bond sales to obtain money for Israel and are a heavy contributor to Jewish activities in the United States. (S)

(U)

(U)

[(FBI Rpt, Pittsburgh, Pa., 7/25/68, p. 4.)] (S)

(a) It has been reported that you have had substantial interests involving the commercial application of atomic energy with the Government of Israel. These interests include an equal partnership between NUMEC and the Government of Israel in the Israel NUMEC Isotopes and Radiation Enterprises and 30 thousand curies of Cobalt have been shipped to Israel for use in experimental facilities. (S)

(U)

(U)

[(FBI Rpt, Pittsburgh, Pa., 8/21/68, p. 5.)] (S)

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- (o) It has been reported that you are a long-time close personal friend of David L. Lowenthal, who is reportedly closely associated with high ranking officials of the Israeli Government, fought for Israel as a Freedom Fighter in 1956, and who currently travels to Israel on the average of approximately once each month.

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Date: _____

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DECLASSIFICATION
AUTHORITY DERIVED FROM:
FBI AUTOMATIC DECLASSIFICATION GUIDE
EXEMPTION CODE 25X(1,6)
DATE 10-06-2008

11-13-03
CLASSIFIED BY 60290 AUC/mv/1/276
DECLASSIFY ON: 25X 1,6

Date: November 4, 1970

From: John Edgar Hoover, Director

Subject: ZALMAN M. SHAPIRO
(U) INTERNAL SECURITY - ISRAEL
ATOMIC ENERGY ACT

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MAILED

NOV - 9 1970

COMM

The files of this Bureau contain no information pertinent
to items of interest

Should such information be obtained in the future
it will be furnished your Agency upon receipt.

It has been learned that Kawecki Berylco Industries,
Incorporated, Post Office Box 429, Hazelton, Pennsylvania, holds a
"Secret" clearance which was transferred to that facility by the Defense
Supply Agency, Defense Industrial Security Clearance Office, on
August 25, 1969. You may wish to ascertain the subject's specific
clearance to classified information under the Industrial Security Program
from the Defense Supply Agency.

In the absence of specific allegations of violation by the
subject of laws over which this Bureau has primary investigative
jurisdiction, no active investigation of Shapiro's activities is contemplated
by the Federal Bureau of Investigation.

~~SECRET~~

2 - Pittsburgh (97-123)(Enclosures - 2)
2 - New York (105-75538)(Enclosures - 2)
2 - New York (97-1799)(Enclosures - 2)

ERH:bjs (10)

MAIL ROOM ☐ TELETYPE UNIT ☐

GROUP 1
Excluded from automatic
downgrading and
declassification

SEE NOTE FOR SACS PAGE TWO

SEE NOTE PAGE TWO

Tolson _____
Sullivan _____
Mohr _____
Bishop _____
Brennan, C.D. _____
Callahan _____
Casper _____
Conrad _____
Felt _____
Gale _____
Rosen _____
Tavel _____
Walters _____
Soyars _____
Tele. Rm. _____
Holmes _____
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NOTE FOR SACS, PITTSBURGH, NEW YORK AND WFO:

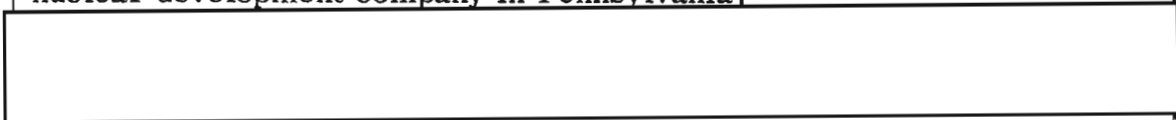
(C) (S) Enclosed for each recipient is a single copy of referenced [redacted] along with a single copy of Defense Supply Agency letter dated 10/20/70, which is self-explanatory. (S)

(C) Recipient offices should be alert for the receipt of any information regarding the subject/responsive to the areas of interest expressed by [redacted] Such (S) information should be furnished immediately upon receipt in form suitable for dissemination accompanied by recommendation for any additional investigation believed warranted. (S)

NOTE:

Shapiro has been alleged to have furnished information to Israeli Government in the past regarding nuclear developments via Israeli Embassy officials interested in this field for the benefit of Israeli defense efforts. He is carried on the Security Index by Pittsburgh due to his activities. He has recently acquired a new and sensitive position with a nuclear development company in Pennsylvania [redacted]

(S)



(S)

No specific allegation has been made of violation by subject in areas under Bureau's jurisdiction and we should refrain from conducting investigation of a fishing expedition type [redacted] (S)

(C) [redacted] The subject's access to classified matters is a problem within the primary area of responsibility of Atomic Energy Commission (AEC) and the Defense Supply Agency. We have previously advised [redacted] AEC and (S) (C) the military that we propose no investigation of subject purely because of his access to classified information or because of alleged shortages in AEC material which occurred in a company subject previously headed. Those (C) matters were in AEC province and [redacted] was so advised during earlier investigation. (S)

NOTE CONTINUED PAGE 3

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NOTE CONTINUED:

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Classified "Secret" since it sets forth information from
Army communications similarly classified



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11-13-03 60290 AUG / RCE /
MLI / JTG
(ENTIRE DOCUMENT CLASSIFIED PER
PREVIOUS OGA LTR.)

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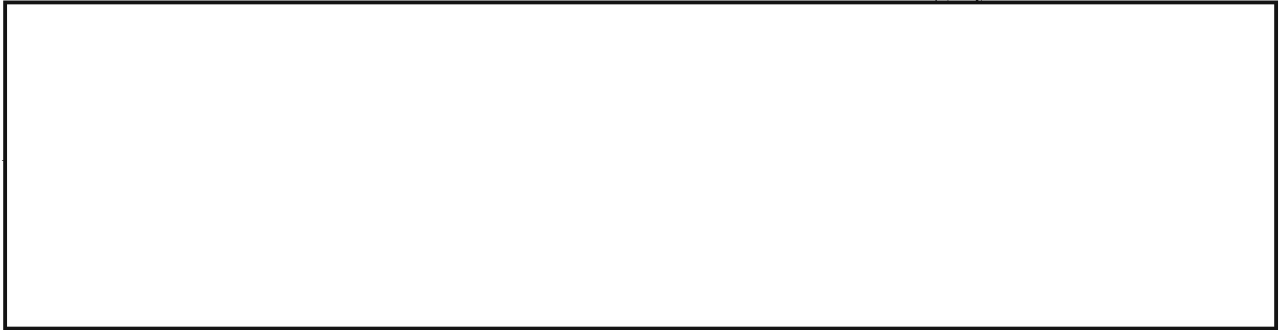
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Page Two

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